



Tennessee Pollution Prevention Roundtable
Thursday, November 15, 2007
8:00-11:00 Central Time
Lipscomb University
Ezell Center Room 147 -- Board Room
Nashville, Tennessee

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| Next TP2R meeting dates: | <ul style="list-style-type: none">• March 2008-Kingsport, ETEC (date/time to be confirmed)• June 2008-Nashville (date/time/location to be confirmed) |
|--------------------------|---|

Notes from the November 15, 2007 Roundtable Meeting

Many thanks to Claudia Schenck and Tennessee Environmental Council for coordinating the meeting accommodations with Lipscomb University.

Jamie Qualk, TP2R Planning Team member, and Tennessee Environmental Council representative from Smith Seckman Reid welcomed us to the TP2 Roundtable meeting at the Lipscomb University Ezell Center Board Room. Dodd Galbreath, now on faculty with Lipscomb University, also welcome the group to the facility, pointing out that the building uses energy efficient lighting, and the HVAC system is designed to LEED standards with a geothermal heat pump system. The Ezell Center is the first Lipscomb building to go online with the new green cleaning program.

Dr. Jack Barkenbus, with Vanderbilt Center for Environmental Management Studies (VCEMS) gave us a brief overview of the climate change issues in Tennessee, and introduced the featured speaker, David Lutes, to present information about The Climate Registry (TCR).

David Lutes is an independent environmental consultant currently working with NESCAUM and The Climate Registry on the registry's forthcoming launch. From 1987 to 2006, David held a number of jobs in Massachusetts state government, primarily within the Executive Office of Environmental Affairs. Most recently David had served as Undersecretary For Policy. Other roles included eight years as the Executive Director of the Toxics Use Reduction Program, Director of Legislative Affairs and Director of Brownfields and Environmental Justice programs. David lives in Norfolk, MA with his wife Alison and two kids, Eleanor and Henry.



The presentation and discussion covered topics such as documenting Greenhouse Gas emission reductions and improvements for credits now, before government requires the reporting. The Climate Registry offers a platform for standardized metrics, to which 41 states have agreed to support. The general scope of reporting covers 1) direct emissions from a facility; 2) Indirect emissions related to purchasing and energy use; and 3) organizational emissions including transportation, employee commuting, etc. Mr. Lutes presented the opportunity to review protocol and provide feedback to TCR. Founding Affiliates will be those members who have subscribed by January 15, 2008. Mr. Lutes' PowerPoint slide show will be posted on the TP2R webpage linked to these notes. The TCR website is www.theclimateregistry.org and Mr. Lutes encouraged those who might be interested to explore the information, and consider signing on with the registry.

[Click here](#) to view the PowerPoint slide show that Mr. Lutes presented and [Click here](#) for a Statement of Intent form to participate in The Climate Registry.

The presentation ended with a dynamic discussion/Q&A session. Topics included credits, prior reductions, offsets, reporting, matching state requirements with TCR, and third party verification of metrics and processes.

To bring the topic home, Ms. Tracy Carter, TDEC Senior Director for Air Programs, provided a summary report of an emission study conducted by Tennessee Technological University. Discussion following the presentation included development of a State Energy Policy, through an interagency effort headed up by the Energy Division in the Department of Economic and Community Development.



[Click here](#) to see the PowerPoint slide show.

After introductions around the room, the floor was open for updates and announcements.

TP3 Partner Recognition



Five new TP3 Partners were recognized at the Nov. 15, 2007 TP2R meeting at David Lipscomb University. Two of the Partners attending the meeting to accept their certificates were Charles Jobe of Nashville for the Jobe Household, and Ms. Sharon Farmer and Ms. Ginger Reasonover of Nashville for David Lipscomb Elementary School. Also recognized for achieving TP3 Partner were Stone Memorial

High School of Crossville, Poplar Grove School of Franklin, and the Oak Ridge National Laboratory. Ms. Elaine Boyd with TDEC's Bureau of Environment presented the certificates.



Lipscomb Elementary gave a short presentation on the "Monarch Butterfly - Recycle for Butterflies Program". This presentation was a very unique explanation of how a simple plant - in this case milkweed, the Monarch's main food source - demonstrates the standard of care needed to preserve our environment for the next generation. The program illustrates how one simple weed can influence nature from Tennessee to South America. The value added side of this program is the chance for small children to see, influence and produce these wonderful insects, and set them into the environment. Many of the parents are involved in this program as well.

Visit www.TP3.org to see the Partner Success Stories for these new Partners, and many more!

Announcements and Updates around the table

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The Third Higher Education Sustainability Conference will be held at Lipscomb University on April 1 & 2, 2008. The conference will again provide stimulating involvement of students, faculty and staff. This conference will be held in conjunction with the Green Business Conference and associated Trade Show for Sustainable Products later that week. Watch for the conference website, to be posted soon.

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Lipscomb Conference – Dodd Galbreath, on the faculty of Lipscomb University, is the primary coordinator of the Green Business Conference. Stemming from an event co-sponsored by the Middle Tennessee Regional Environmental Forum that brought William McDonough to Nashville College of Business & Sustainable Practices; the Lipscomb Conference will be a Southeast Regional 2-day event (Thursday/Friday) with associated Trade Show for Sustainable Products (Friday/Saturday.) For more information, [click here](#) to see the flyer and [event calendar](#), or contact Dodd at Dodd.Galbreath@lipscomb.edu



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Net Impact - Jeff Gowdy informed the group about Net Impact - business leaders changing world through new actions. Started at Stanford in 1992, the National organization is comprised of students, professionals, and business schools. Vanderbilt's Owen Graduate School of Management hosted the Annual Conference November 1-3, 2007. This year's conference included a national and international audience of ~1800 participants, keynote speakers from Dupont CEO Chad Holliday, Patagonia founder Yves Chanaïrd, and other nationally recognized environmental, social impact and business leaders. Session tracks, panels, and a networking Career Fair offered many opportunities to speak, sponsor, and get involved. Networking and entertainment events were hosted/sponsored by the Ryman Auditorium and Wildhorse Saloon.

For more information, visit www.netimpact.org or contact Jeff by email at jeff@jgowdyconsulting.com

A spin-off of the conference is the establishment of the **Nashville Net Impact Professional Chapter**.

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Charles Jobe gave an overview of the TP3 and Performance Track workshops, which were held in September and October, hosted by TP3 Members JTEKT Automotive, Volvo Penta, and Dell Inc.

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Elaine Boyd announced the February 24-26, 2008 KY-TN **Green Building Conference** with focus on Water Efficiency. [Click here](#) to see more information or visit the website at www.outreach.utk.edu/GreenDevelopment

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Now is the time to consider nominations for the **Governor's Environmental Stewardship Awards**. Self-nominations are encouraged. Applications will be available January 1, 2008. Visit the website at www.tdec.net/awards for details and the application.

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East Tennessee Environmental Conference, Kingsport, March 18 & 19, 2008. Join us for this 7th year of “*Improving Our Environment and Public Health through Smart Choices*” Visit <http://www.tnenvironment.com> for agenda, registration and accommodation information.

TP2R Business Items

Thanks to the TP2R Planning Team for another wonderful, informative and interactive Roundtable meeting.

Please thank and support the current planning team with your ideas and suggestions!

Jack Barkenbus, VCEMS

Sandra Graves, JTEKT

Dana Scates, Volvo Penta Marine

Jamie Qualk, TEC/SSR

Judy Takats, World Wildlife Fund

Pat Lynch, CalsonicKansei

Jeff Gowdy, J. Gowdy Consulting

Sarah Surak, UT Knoxville

Administrative support: Curtis Hopper and Karen Grubbs, TDEC OEA

Discussion of the upcoming TP2R/PLRP Meetings

December 13—Nashville Downtown Public Library, 9:00

The TP3 Performer Level Review Panel will evaluate 6 Performers to consider status as Maintaining Performers. Other PLRP business items will be addressed. Open to the public — please let us know you’re coming! RSVP to Pollution.Prevention@state.tn.us

March 18 or 19, TP2R meeting with the East Tennessee Environmental Conference; date and time to be confirmed with conference planning staff. Please contact the TP2R Planning Team if you are interested in presenting a topic or making an announcement. You are encouraged to register for the ETEC! Visit <http://www.tnenvironment.com> for details.

Adjourn to the TEC/TCV Summit for a Sustainable Tennessee!



TP2R Attendee List for November 15, 2007

| Name | Affiliation | City State |
|-----------------------------|---|--------------------|
| Dr. Jack Barkenbus | Vanderbilt University Center for Environmental Management Studies | Nashville TN |
| Ms. Elaine Boyd | TDEC Commissioner's Office Strategic Planning Manager | Nashville TN |
| Ms. Tracy Carter | TDEC Senior Director Air Programs | Nashville TN |
| Mr. Vaughn Cassidy | TDEC-JEFO Environmental Coordinator Office of Environmental Assistance | Jackson TN |
| Ms. Tami Coleman | TN Dept of Education CENTS Coordinator Environmental Education | Nashville TN |
| Mr. Jack Cowan | CowanHouse Indoor Enviroment | Milligan TN |
| Mr. Mike Crosby | Breathe Clean Air Action Team President | |
| Ms. Barbara Deneke | | |
| Ms. Kim Elkin | Tennessee Wildlife Resources Agency | |
| Ms. Sharon Farmer | Coordinator, David Lipscomb Elementary School David Lipscomb Elementary School | |
| Dr. Chris Farrell | Trevecca University | Nashville TN |
| Mr. Zach French | Tree Solution Consulting Services Owner and Consulting Arborist | Belle Meade TN |
| Mr. Tony Funderburg | TN Army National Guard Environmental Compliance Manager | |
| Mr. Dodd Galbreath | URS Corporation - Franklin Office | Nashville TN |
| Mr. Jerry Gibbons | Common Sense Enterprises | |
| Mr. Steve Gild | Vanderbilt Environmental Health & Safety Department EMS Coordinator | |
| Mr. Jeff Gowdy | J. Gowdy Consulting | |
| Mr. Donovan Grimwood | TDEC-OEA SBEAP | Nashville TN |
| Ms. Karen Grubbs | TDEC-OEA Manager, Education and Outreach | Nashville TN |
| Mr. Curtis Hopper | TDEC-OEA TP3 Program Coordinator | Nashville TN |
| Mr. Charles Jobe | TDEC-NEFO Environmental Coordinator Office of Environmental Assistance | Nashville TN |
| Mr. Rickie Jones | G&C Industries, Visteon TN Regional Facility QE | |
| Ms. Donna King | King Household | |
| Mr. Ricky King | Lodge Manufacturing | South Pittsburg TN |
| Ms. Sandy Kurtz | Urban Century Institute | Chattanooga TN |

TP2R Attendee List for November 15, 2007

| Name | Affiliation | City State |
|------------------------------|---|----------------|
| Mr. David Lutes | The Climate Registry | Norfolk VA |
| Mr. Patrick Lynch | CalsonicKansei | Shelbyville TN |
| Mr. Edward McNally | Above The Fold, Inc | Decatur GA |
| Ms. Shari Meghreblian | GM Spring Hill Manufacturing Manager of Environmental Affairs | Spring Hill TN |
| Ms. Ann Olsen | VCEMS | Nashville TN |
| Mr. Dave Pelton | Trust for the Future | |
| Mr. James Qualk | Tennessee Environmental Council SSRCx, LLC – Sustainable Solutions Group | Nashville TN |
| Ms. Ginger Reasonover | David Lipscomb Elementary School Science Lab Coordinator | |
| Ms. Cynthia Rohrbach | TDEC-OEA TP3 Green Schools Program Coordinator | Columbia TN |
| Mr. Dana Scates | Volvo Penta Marine Products | Lexington TN |
| Ms. Diane Scher | Bridgestone Firestone NT, LLC Manager, Environmental Affairs Environmental Management | Nashville TN |
| Mr. Mark Schwartz | Old Hickory Watershed Association Chairperson | Old Hickory TN |
| Mr. Paul Sloan | TDEC Deputy Commissioner | Nashville TN |
| Mr. Don Stone | UTCIS | Nashville TN |
| Ms. Judy Takats | World Wildlife Fund Program Director Southeastern Rivers and Streams Program | Nashville TN |
| Mr. Alex Tapia | Kilowatt Ours | Nashville TN |
| Mr. Bill Terry | Sierra Club Planning Consultant / Environmental Activist | Nashville TN |
| Ms. Alicia Wilson | Dupont – New Johnsonville | |
| Dr. Robert Wingfield | Fisk University Department of Chemistry | Nashville TN |



TP3 Membership Statistics

November 30, 2007

TP3 Category/Level Totals

| <i>Category</i> | <i>Level</i> | <i>Total</i> |
|------------------------------------|-----------------------|--------------|
| Business | Pledge | 27 |
| | Prospect | 71 |
| <i>Business</i> | <i>Total :</i> | 98 |
| Gov't Agency | Performer | 1 |
| | Partner | 2 |
| | Pledge | 16 |
| | Prospect | 29 |
| <i>Gov't Agency</i> | <i>Total :</i> | 48 |
| Household | Partner | 2 |
| | Pledge | 23 |
| | Prospect | 81 |
| <i>Household</i> | <i>Total :</i> | 106 |
| Industry | Performer | 7 |
| | Partner | 16 |
| | Pledge | 43 |
| | Prospect | 65 |
| <i>Industry</i> | <i>Total :</i> | 131 |
| Organization | Pledge | 8 |
| | Prospect | 33 |
| <i>Organization</i> | <i>Total :</i> | 41 |
| School: K-12 | Performer | 1 |
| | Partner | 14 |
| | Pledge | 82 |
| | Prospect | 170 |
| <i>School K-12</i> | <i>Total :</i> | 267 |
| School: HE | Partner | 1 |
| | Pledge | 10 |
| | Prospect | 11 |
| <i>School HE</i> | <i>Total :</i> | 22 |
| <i>Total TP3 Membership</i> | | 713 |

If you are not currently a member of TP3, visit our website to learn more about the Partnership and see how easy it is to Sign Up!

www.tp3.org

or

www.tdec.net/ea/tp3



TP3 Membership Level Totals

| <i>Level</i> | <i>Total</i> |
|---------------------|-------------------|
| Performer | 9 |
| Partner | 35 |
| Pledge | 209 |
| Prospect | 460 |
| <i>Total</i> | <i>713</i> |



TP3 COMMITMENT CHALLENGE



At the 2006 Cultivating P2 Conference, the TP3 Performers launched the Tennessee Pollution Prevention Commitment Challenge. Participants would report current environmental improvements and set two-year goals for further progress. These quantified results will be presented at the 2008 TN Pollution Prevention Conference. The Commitment Challenge focuses on five central environmental areas where, as reductions occur, we improve our overall environmental position. We welcome participation from other entities within Tennessee that want to positively impact the environment, even those who are unable attend the conference.

The information will be tallied and identifying information will be kept confidential. Periodic updates will be shared through the Tennessee Pollution Prevention Roundtable and the Tennessee Pollution Prevention Partnership. Bob Booker, Legal and Environmental Engineering Manager at TP3 Performer DENSO Manufacturing Tennessee, will receive the data and compile the results. Please participate in this challenge and help us demonstrate that organizations do care about our environment and are taking steps to improve it. Contact Bob Booker at (865) 981-5203 or by email at bob_booker@denso-diam.com for more information about this Challenge and how to participate.

Environmental metrics are used to measure successes from pollution prevention (P2) projects. The Tennessee Pollution Prevention Partnership (TP3) is challenging all TN 2006 P2 Conference participants to commit to reducing their environmental impact in the five (5) P2 project areas:

| <i>P2 Project Areas</i> | <i>Baseline Year</i> | <i>Unit of Measure</i> | <i>Normalizer</i> | <i>Target</i> |
|--|-----------------------------|-------------------------------|--------------------------|----------------------|
| 1. <i>Clean Air</i> | | | | |
| 2. <i>Energy Conservation</i> | | | | |
| 3. <i>Hazardous Materials Management</i> | | | | |
| 4. <i>Land and Water Conservation</i> | | | | |
| 5. <i>Waste Reduction</i> | | | | |

Baseline Year: *The beginning year used as a basis for comparison (example: 2005)*

Unit of Measure: *Examples include: tons VOC, kWh electricity, ccf natural gas, gallons water, pounds hazardous waste*

Normalizer: *A normalizer is used to adjust the target for increases in production, sales, or manpower (example: sales, number of employees, production quantity etc...)*

Target: *A desired goal (example: 10% reduction)*

Results will be shared at the next TN Pollution Prevention Conference

Company Name _____

Address _____

City _____ *State* _____ *Zip Code* _____

Are you in TP3 member? Yes___ No___ *If no, are you interested in joining?* Yes___ No___

Please complete and send to:

*Bob Booker
Denso Manufacturing Tennessee, Inc.
1720 Robert C. Jackson Drive
Maryville, TN 37801-3797*